

## UNITED STATES PATENT AND TRADEMARK OFFICE

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## Certificate of transmission

I certify that this paper is being sent by facsimile to 703-872-9319 on September 5, 2002.

Carl Oppedahl  
Carl Oppedahl

## RESPONSE TO OFFICE ACTION

5 Kindly cancel claims 37-71 and add the following new claims:

72. A laser for emitting pulsed electromagnetic radiation, said laser comprising:

an optical resonator;

a solid-state laser gain medium placed inside said optical resonator, said laser gain medium having two end faces, and at least one of said end faces comprising a cooling surface;

10 means for cooling said laser gain medium via said cooling surface;

B' means for exciting said laser gain medium to emit electromagnetic radiation; and

means for passive mode locking comprising a saturable absorber placed inside said optical resonator,

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15 said optical resonator, said solid-state laser gain medium, and said means for passive mode locking being designed and arranged in a manner that, once said laser gain medium is excited by